Research Statement

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Current Work:

In my role as Assistant Program Director of Technical Education at Bellevue Hospital Center School of Radiologic Technology, my research encompasses the following areas:

Trauma-Informed Radiologic Education: I focus on creating a learning environment that supports students who have experienced trauma, promoting inclusivity and personal growth.

Advanced CT Imaging Techniques: Leveraging my CT imaging expertise, I explore dual-energy CT, iterative reconstructions, and post-processing methods to enhance diagnostic accuracy.

Radiologic Protocols and Quality Improvement: I work on optimizing radiologic protocols, reducing radiation exposure, and improving overall service quality.

Educational Leadership and Curriculum Development: My educational leadership background informs innovative curriculum development for radiologic technology programs, enhancing student experiences.

Radiologic Sciences Innovation: I evaluate emerging technologies and conduct research to drive innovation in radiologic sciences.

Contribution to RAD-Aid International: I have served as a Program Manager for RAD-Aid Mongolia, collaborating on projects to improve healthcare access and radiologic services in underserved regions.

Future Work:

Trauma-Informed Pedagogy: I plan to develop evidence-based practices for widespread implementation in radiologic technology programs.

AI and Machine Learning: Exploring the intersection of radiologic sciences with AI and machine learning for more precise diagnostics and patient care.

Global Health Initiatives: Leveraging my RAD-Aid experiences, I aim to advance radiologic services in underserved regions through collaborative research and interdisciplinary partnerships.

My research strives to enhance patient care, elevate educational standards, and contribute to the radiologic technology field with a focus on inclusivity, innovation, and excellence.